

**✓ Translation or partial translation included.**



# Electronic Information Disclosure Statement

*A. Jones*  
*IDS*  
*# 02/28/03*

## CONTACT DETECTION SYSTEM FOR POWER EQUIPMENT

Application:



10/053390

Confirmation: 2969

Applicant(s): Stephen Gass

Docket

SDT 319

Number:

Group Art

3724

Unit:

Examiner:

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FEB 21 2003  
TECHNOLOGY CENTER R3700

search string:

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### Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
<i>gg</i>	U01	20020017175	2002-02-14		Gass et al.		
	U02	20020017176	2002-02-14		Gass et al.		
	U03	20020017178	2002-02-14		Gass et al.		
<i>gg</i>	U04	20020017179	2002-02-14		Gass et al.		



## Signature

Examiner Name	Date
Ghassem Alie	12/23/04



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## CONTACT DETECTION SYSTEM FOR POWER EQUIPMENT

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2969

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Group Art Unit:

3724

Examiner:

search string:

(2241556 or 2736348 or 5285708 or 5377571 or 5791057 or 6148504).

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### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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<input checked="" type="checkbox"/>	P01	2241556	1941-05-13		MacMillin et al.		
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<input checked="" type="checkbox"/>	P03	5285708	1994-02-15		Bosten et al.		
<input checked="" type="checkbox"/>	P04	5377571	1995-01-03		Josephs		
<input checked="" type="checkbox"/>	P05	5791057	1998-08-11		Nakamura et al.		
<input checked="" type="checkbox"/>	P06	6148504	2000-11-21		Schmidt et al.		

## Signature

Examiner Name	Date
Glassem Alie	12/23/04



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	CONTACT DETECTION SYSTEM FOR POWER EQUIPMENT																																																																														
<p>Application Number: 10/053390</p> <p>Confirmation Number: 2969</p> <p>First Named Applicant: Stephen Gass</p> <p>Attorney Docket Number: SDT 319</p> <p>Art Unit: 3724</p> <p>Search string: ( 4077161 or 3186256 or 3386322 or 3554067 or 3861016 or 3946631 or 4637289 or 4805504 or 5184534 or 5950514 or 6418829 ).pn.</p> <p style="text-align: right;"><b>RECEIVED</b> AUG 19 2003 TECHNOLOGY CENTER R3700</p> <p><u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.</p> <p><b>US Patent Documents</b></p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>4077161</td><td>1978-03-07</td><td>Wyle et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>3186256</td><td>1965-06-01</td><td>Reznick</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>3386322</td><td>1968-06-04</td><td>Stone et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>3554067</td><td>1971-01-12</td><td>Scutella</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>3861016</td><td>1975-01-21</td><td>Johnson et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>3946631</td><td>1976-03-30</td><td>Malm</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>7</td><td>4637289</td><td>1987-01-20</td><td>Ramsden</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>8</td><td>4805504</td><td>1989-02-21</td><td>Fushiya et al.</td><td></td><td></td><td></td></tr></tbody></table> <p style="text-align: right;"><b>RECEIVED</b> AUG 15 2003 <b>GROUP 3600</b> <b>RECEIVED</b> AUG 15 2003 <b>GROUP 3600</b></p>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	4077161	1978-03-07	Wyle et al.				<input type="checkbox"/>	2	3186256	1965-06-01	Reznick				<input type="checkbox"/>	3	3386322	1968-06-04	Stone et al.				<input type="checkbox"/>	4	3554067	1971-01-12	Scutella				<input type="checkbox"/>	5	3861016	1975-01-21	Johnson et al.				<input type="checkbox"/>	6	3946631	1976-03-30	Malm				<input type="checkbox"/>	7	4637289	1987-01-20	Ramsden				<input checked="" type="checkbox"/>	8	4805504	1989-02-21	Fushiya et al.			
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9	5184534	1993-02-09	Lee
10	5950514	1999-09-14	Benedict et al.
11	6418829	2002-07-16	Pilchowski

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Examiner Name	Date
Ghassem Ali	12/23/04

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Substitute for form 1449A-B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Complete if Known	
	Application No.	10/053,390
	Filing Date	Jan. 16, 2002
	First Named Inventor	Stephen F. Gass
	Group Art Unit	3724
	Examiner Name	
Sheet <u>1</u> of <u>1</u>	Attorney Docket No.	SDT 319

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee	Date of Publication	Relevant Pages, Columns, Lines
		Number	Kind Code			

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**FOREIGN PATENT DOCUMENTS**

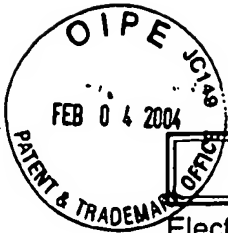
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		Office	Number	Kind Code				
<i>gm</i>		EP	0362937	A2	Grasselli et al.	4/11/90		✓

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>


Examiner Signature	<i>Glasseman Alie</i>	Date Considered	<i>12/23/04</i>
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Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	CONTACT DETECTION SYSTEM FOR POWER EQUIPMENT						
Application Number:	10/053390						
Confirmation Number:	2969						
First Named Applicant:	Stephen Gass						
Attorney Docket Number:	SDT 319						
Art Unit:	3724						
Search string:	( 1205246 or 1807120 or 2163320 or 2313686 or 2328244 or 2352235 or 2377265 or 2425331 or 2466325 or 2496613 or 2509813 or 2517649 or 2572326 or 2593596 or 2623555 or 2675707 or 2690084 or 2722246 or 2731049 or 2786496 or 2954118 or 3129731 or 3163732 or 3207273 or 3323814 or 3540338 or 3580609 or 3613748 or 3675444 or 3829850 or 3922785 or 3931727 or 4090345 or 4091698 or 4145940 or 4161649 or 4190000 or 4305442 or 4466233 or 4512224 or 4518043 or 4560033 or 4566512 or 4599597 or 4792965 or 5082316 or 5086890 or 5207253 or 5245879 or 5257570 or 5265510 or 5392678 or 5755148 or 5782001 or 5787779 or 5791223 or 5791224 or 5937720 or 5942975 or 6095092 or 6257061 or 6366099 or 6450077 or 6453786 or 6460442 or 6479958 or 6536536 or 6543324 or 6546835 or 6575067 or 6578856 or 6595096 or 6601493 or 6607015 or 6619348 or 6640683 or 6644157 or 6647847 or D0466913 or D0469354 or D0478917 or D0479538 or 20020109036 or 20030005588 or 20030019341 or 20030020336 or 20030037651 or 20030056853 or 20030074873 or 20030089212 or 20030109798 ).pn.						
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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3	2163320	1939-06-20	Hammond
4	2313686	1943-03-09	Uremovich
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70	6575067	2003-06-10	Parks et al.
71	6578856	2003-06-17	Kahle
72	6595096	2003-07-22	Ceroll et al.

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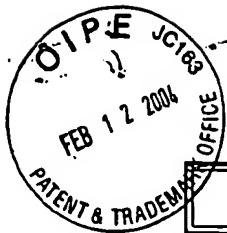
### US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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Signature

Examiner Name	Date
<i>Glasse Alie</i>	<i>12/23/09</i>



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Art Unit:		3724					
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<p><b>RECEIVED</b> FEB 18 2004 TECHNOLOGY CENTER R8700</p>							
<p><u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.</p>							
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Ghassem Ali				ga 12/23/04			

Substitute for form 1449A-B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

**Complete if Known**

<b>Serial No.</b>	10/053,390
<b>Filing Date</b>	January 16, 2002
<b>First Named Inventor</b>	Stephen F. Gass
<b>Group Art Unit</b>	3724
<b>Examiner Name</b>	
<b>Attorney Docket No.</b>	SDT 319

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

[illegible]

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Examiner Signature	Ghassem Alie		Date Considered 12/23/0

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Signature

Examiner Name	Date
<i>Glasse Alie</i>	<i>12/23/04</i>



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

**Complete if Known**

Serial No.	10/053,390
Filing Date	January 16, 2002
First Named Inventor	Stephen F. Gass
Group Art Unit	3724
Examiner Name	Thomas J. Druan
Attorney Docket No.	SDT 319

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Examiner Signature	Ghassem Ali		Date Considered 12/23/0

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
 ✓ Translation or partial translation included.



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

CONTACT DETECTION SYSTEM FOR POWER  
EQUIPMENT

Application Number: 10/053390



Confirmation Number: 2969

First Named Applicant: Stephen Gass

Attorney Docket Number: SDT 319

Art Unit: 3724

Examiner: Ghassem Alie

Search string: ( 4637188 or 4934233 or 4937554 or 5020406  
or 5199343 or 6052884 or 6404098 or 6420814  
or 6430007 ).pn.



Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	4637188	1987-01-20	Crothers			
<input type="checkbox"/>	2	4934233	1990-06-19	Brundage et al.			
<input type="checkbox"/>	3	4937554	1990-06-26	Herman			
<input type="checkbox"/>	4	5020406	1991-06-04	Sasaki et al.			
<input type="checkbox"/>	5	5199343	1993-04-06	OBanion			
<input type="checkbox"/>	6	6052884	2000-04-25	Steckler et al.			
<input checked="" type="checkbox"/>	7	6404098	2002-06-11	Kayama et al.			

	8	6420814	2002-07-16	Bobbio	
	9	6430007	2002-08-06	Jabbari	

Signature

Examiner Name	Date
Ghassem Ali P	12/23/09